

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

PUBLICATION NUMBER : 11284706  
PUBLICATION DATE : 15-10-99

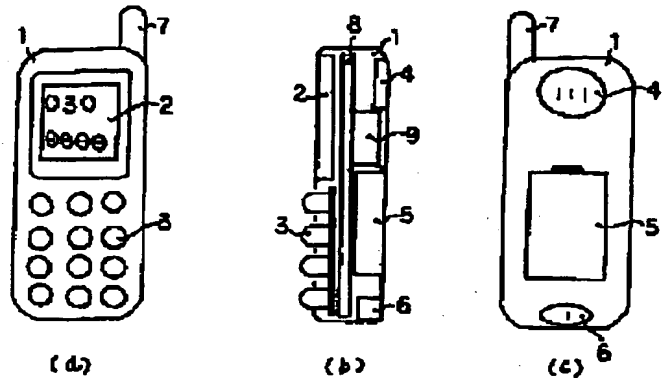
APPLICATION DATE : 31-03-98  
APPLICATION NUMBER : 10086302

APPLICANT : KYOCERA CORP;

INVENTOR : SATO TAKAFUMI;

INT.CL. : H04M 1/02 H04Q 7/32 H04M 1/00  
H04M 11/10

TITLE : PORTABLE TELEPHONE SET



**ABSTRACT :** PROBLEM TO BE SOLVED: To enhance the visibility of a display section and the operability of a key operation section of the portable telephone set that has a recording and reproducing function.

**SOLUTION:** Operation keys relating to a sound recording function are placed on a 2nd side opposite to a 1st side of a telephone set case 1 on which a speaker 4 and a microphone 6 are placed in the portable telephone set having a recording and reproducing function. Moreover, on the 1st side of the telephone set case 1 the speaker 4 is placed to an upper part, a removable battery 5 is placed in the middle, and the microphone 6 is placed to the lower part; and on the 2nd side a display section 2 is placed to an upper part of and a key operation section 3 including a call key, a speech end key, a dial key and operation keys relating to the recording and reproducing function is placed on a lower part.

COPYRIGHT: (C)1999,JPO

# PATENT ABSTRACTS OF JAPAN

(11)Publication number : 11-284706

(43)Date of publication of application : 15.10.1999

(51)Int.Cl.

H04M 1/02  
H04Q 7/32  
H04M 1/00  
H04M 11/10

(21)Application number : 10-086302

(71)Applicant : KYOCERA CORP

(22)Date of filing : 31.03.1998

(72)Inventor : SATO TAKAFUMI

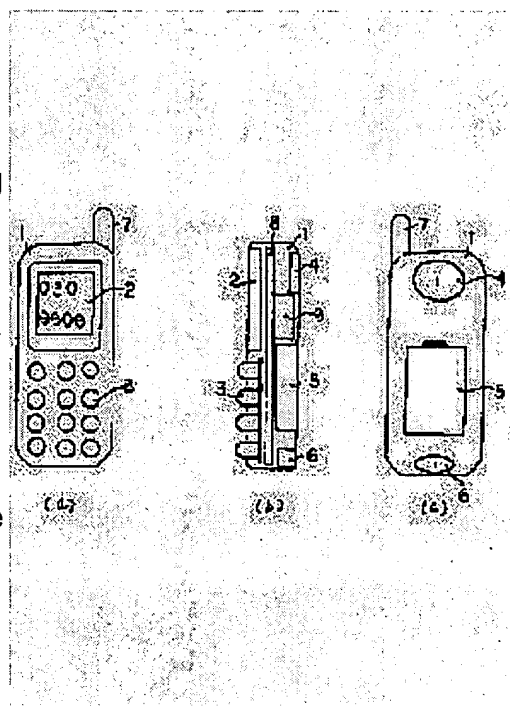
## (54) PORTABLE TELEPHONE SET

### (57)Abstract:

PROBLEM TO BE SOLVED: To enhance the visibility of a display section and the operability of a key operation section of the portable telephone set that has a recording and reproducing function.

SOLUTION: Operation keys relating to a sound recording function are placed on a 2nd side opposite to a 1st side of a telephone set case 1 on which a speaker 4 and a microphone 6 are placed in the portable telephone set having a recording and reproducing function.

Moreover, on the 1st side of the telephone set case 1 the speaker 4 is placed to an upper part, a removable battery 5 is placed in the middle, and the microphone 6 is placed to the lower part; and on the 2nd side a display section 2 is placed to an upper part of and a key operation section 3 including a call key, a speech end key, a dial key and operation keys relating to the recording and reproducing function is placed on a lower part.



## LEGAL STATUS

[Date of request for examination] 24.01.2000

[Date of sending the examiner's decision of] 20.02.2001

rejection]

[Kind of final disposal of application other than  
the examiner's decision of rejection or  
application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's  
decision of rejection]

[Date of requesting appeal against examiner's  
decision of rejection]

[Date of extinction of right]

Copyright (C); 1998,2003 Japan Patent Office